

CLAIMS

1. A catalyst for the acidolysis of an aromatic hydroperoxy compound, prepared by a method comprising gasifying liquid sulfuric anhydride and dissolving gasified
5 sulfuric anhydride into a ketone solvent.

2. The catalyst according to Claim 1, wherein the ketone solvent is acetone and/or methyl isobutyl ketone.

3. The catalyst according to Claim 2, wherein the ketone solvent is acetone.

10 4. A process for producing an aromatic hydroxy compound, which comprises subjecting an aromatic hydroperoxy compound to an acidolysis in the presence of the catalyst of claim 1.

5. A process for producing an aromatic hydroxy compound, which comprises subjecting an aromatic hydroperoxy compound
15 to an acidolysis in the presence of the catalyst of claim 2.

6. A process for producing an aromatic hydroxy compound, which comprises subjecting an aromatic hydroperoxy compound to an acidolysis in the presence of the catalyst of claim 3.

7. The process according to Claim 4, wherein, the
20 aromatic hydroperoxy compound is a di(hydroperoxyalkyl)benzene.

8. The process according to Claim 5, wherein, the aromatic hydroperoxy compound is a di(hydroperoxyalkyl)benzene.

25 9. The process according to Claim 6, wherein, the aromatic hydroperoxy compound is a di(hydroperoxyalkyl)benzene.

10. The process according to Claim 7, wherein, the di(hydroperoxyalkyl)benzene is di(2-hydroperoxy-2-propyl)benzene.

11. The process according to Claim 8, wherein, the
5 di(hydroperoxyalkyl)benzene is di(2-hydroperoxy-2-propyl)benzene.

12. The process according to Claim 9, wherein, the di(hydroperoxyalkyl)benzene is di(2-hydroperoxy-2-propyl)benzene.

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